NEWSLETTER

Department of Electrical Engineering

GOVERNMENT POLYTECHNIC KHAMGAON

(Under Directorate of technical Education, Maharashtra Government)

Vol. 02 I No. 01 I A.Y 2022-23 http://www.gpk.edu.in/

Inside ……

VISION:

"To impart quality and value based education to recognize technical professional in field of electrical Engg "

MISSION:

Department of Electrical Engineering is committed to:

M1. To produce engineers with essential knowledge, technical skills and ethical values to serve the society and nation.

M2. To develop globally competent professionals in electrical engineering.

M3. To impart training, Research, Entrepreneurship abilities and skills to have all round development of students

M4. To provide best possible practices to encourage the students to be a lifelong learner

PROGRAM EDUCATIONAL OBJECTIVES (PEOS):

- **PEO1:** Provide socially responsible, environment friendly solutions to Electrical engineering related broad-based problems adapting professional ethics.
- **PEO2:** Adapt state of the Electrical engineering broad-based technologies to work in multi-disciplinary work environments.
- **PEO3:** Solve broad-based problems individually and as a team member communicating effectively in the world of work.

From Principal's Desk...

Dear Readers,

On behalf of the faculty, staff and students, I am pleased to welcome you to EE Department. Government Polytechnic Khamgaon is one of the leading technical institutes for diploma education in Vidarbha region, always strives for quality education since its inception. In the last six decades it has successfully nurtured the scientific temper, Professional Competence and Social Commitment among the budding technocrats to find solutions to the problems and serve the global society. This academic year is very important for Electrical Engineering Department as they are planning to apply for NBA accreditation. I appreciate the endless efforts of HOD, faculty and staff of EE department for NBA work. Finally, I wish best of luck for all the team members for future publication.

Dr. Sameer S. Prabhune
Principal
G. P. Khamgaon

From Hod's Desk...

Dear Readers,

It is joyful moment to publish this issue of newsletter. I appreciate the department for such an initiative to provide a platform for communicating the innovative ideas of the students and faculty members. Newsletter is an excellent way for the students to publish their success stories, innovative ideas and findings. I strongly believe that this newsletter will reflect the academic achievement and departmental progress.

This A.Y (22-23) of publishing third volume of newsletter reflects the new beginning of teaching learning process in the department. In this year Electrical final year 14 students are please in company. also Department of Electrical Engineering starts its journey towards prestigious NBA accreditation. I appreciate sincere efforts of all faculties and staff of department towards NBA preparations. Active participation and suggestions of institute head Principal Dr. S. S. Prabhune sir helped to planning NBA accreditation.

Shri.M.W.Mundhada
Head of Department
Electrical Engineering

From Editor's Desk...

Dear Readers,

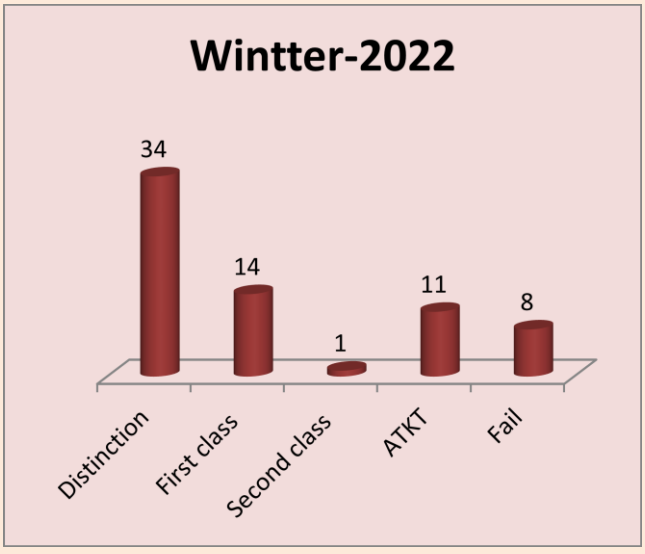
It is indeed a great honor to be the Newsletter Editor for the Electrical Engineering. Department and it is an immense pleasure to launch the Third edition of AY 2022-23.

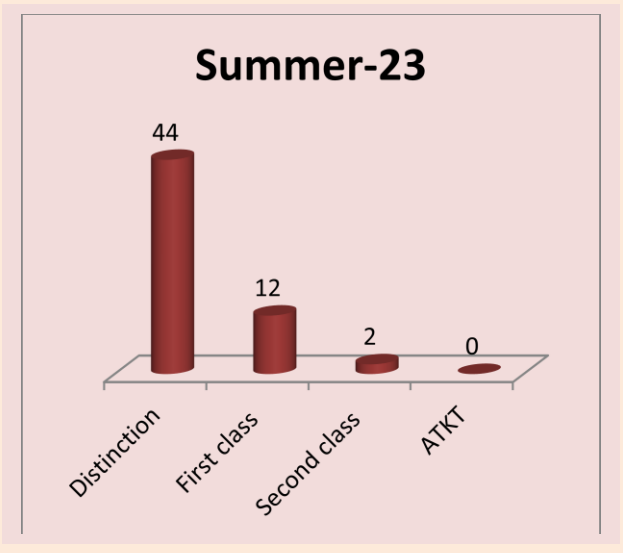
In this issue, we will recount the various projects and activities in which department is actively involved. Few points I would like to highlight here are, planning NBA preparation and Activity of department.

Finally, I would like to thank Shri. M.W.Mundhada sir (I/C HOD, EE), and all Electrical department lecturer for ever lasting support throughout the creation of this edition. Also, I would like to thank Mr.Vijay Maind sir for Guiding me to publish this newsletter.

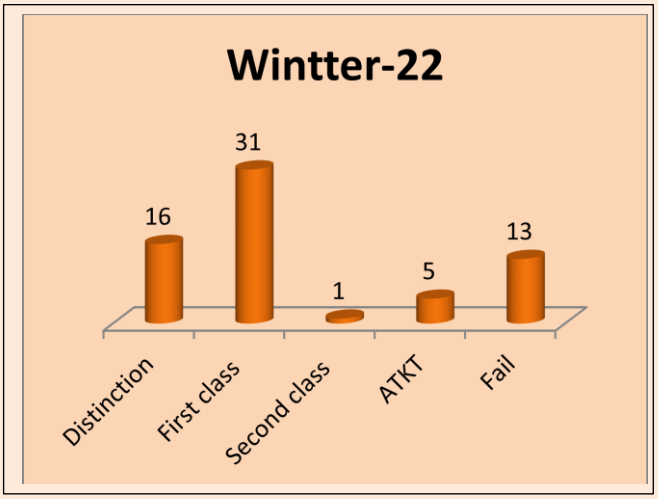
Mr. Dipak Ingle
News letter coordinator

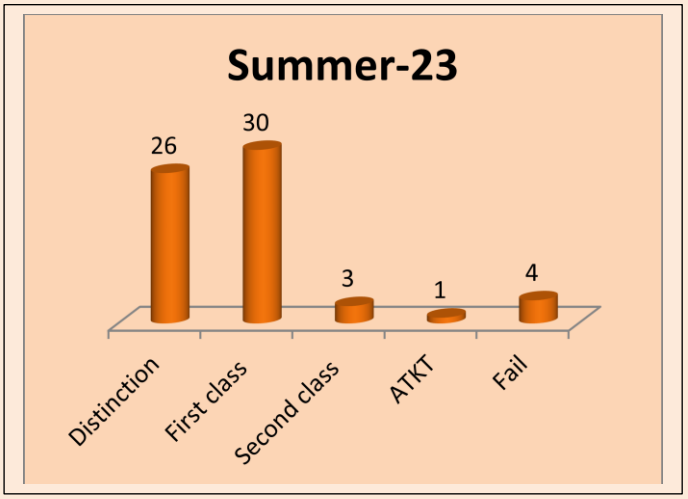
Final Year			
A.Y 2022-23			
Wintter-22		Summer-23	
Distinction	34	Distinction	44
First class	14	First class	12
Second class	01	Second class	02
ATKT	11	ATKT	00
Fail	08	Fail	04
Total	68	Total	62



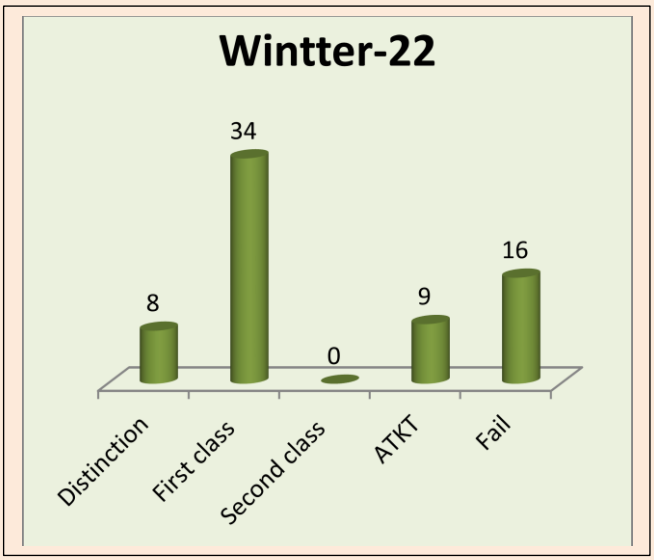


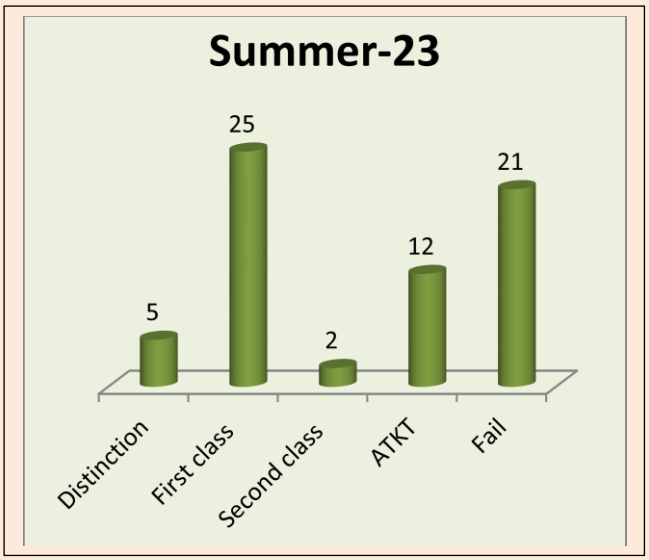
Second Year			
A.Y 2022-23			
Wintter-22		Summer-23	
Distinction	16	Distinction	26
First class	31	First class	30
Second class	01	Second class	3
ATKT	05	ATKT	1
Fail	13	Fail	4
Total	66	Total	64





First Year			
A.Y 2022-23			
Wintter-22		Summer-23	
Distinction	08	Distinction	05
First class	34	First class	25
Second class	00	Second class	02
ATKT	09	ATKT	12
Fail	16	Fail	21
Total	67	Total	65





Students Achievement…….

Students have participation in Webinar on introduction to practical Aspects of Mumbai power distribution Organized by Adani Electricity Management System.

Students Participation in DIPEX Compitication -2023.

Renewable Energy

Energy is at the heart of the climate challenge – and key to the solution.A large chunk of the greenhouse gases that blanket the Earth and trap the sun's heat are generated through energy production, by burning fossil fuels to generate electricity and heat. Fossil fuels, such as coal, oil and gas, are by far the largest contributor to global climate change, accounting for over 75 percent of global greenhouse gas emissions and nearly 90 percent of all carbon dioxide emissions.

The science is clear: to avoid the worst impacts of climate change, emissions need to be reduced by almost half by 2030 and reach net-zero by 2050.To achieve this, we need to end our reliance on fossil fuels and invest in alternative sources of energy that are clean, accessible, affordable, sustainable, and reliable.A large chunk of the greenhouse gases that blanket the Earth and trap the sun's heat are generated through energy production, by burning fossil fuels to generate electricity and heat.Fossil fuels, such as coal, oil and gas, are by far the largest contributor to global climate change, accounting for over 75 percent of global greenhouse gas emissions and nearly 90 percent of all carbon dioxide emissions.

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Renewable energy sources – which are available in abundance all around us, provided by the sun, wind, water, waste, and heat from the Earth – are replenished by nature and emit little to no greenhouse gases or pollutants into the air.Fossil fuels still account for more than 80 percent of global energy production, but cleaner sources of energy are gaining ground. About 29 percent of electricity currently comes from renewable sources.

Here are five reasons why accelerating the transition to clean **energy is the pathway to a healthy, livable planet** today and for generations to come.

1. Renewable energy sources are all around us

About 80 percent of the global population lives in countries that are net-importers of fossil fuels that's about 6 billion people who are dependent on fossil fuels from other countries, which makes them vulnerable to geopolitical shocks and crises. In contrast, renewable energy sources are available in all countries, and their potential is yet to be fully harnessed. The International Renewable Energy Agency (IRENA) estimates that 90 percent of the world's electricity can and should come from renewable energy by 2050.Renewables offer a way out of import dependency, allowing countries to diversify their economies and protect them from the unpredictable price swings of fossil fuels, while driving inclusive economic growth, new jobs, and poverty alleviation.

2. Renewable energy is cheaper

Renewable energy actually is the cheapest power option in most parts of the world today. Prices for renewable energy technologies are dropping rapidly. The cost of electricity from solar power fell by 85 percent between 2010 and 2020. Costs of on shore and off shore wind energy fell by 56 percent and 48 percent respectively.

Cheap electricity from renewable sources could provide 65percent of the world's total electricity supply by 2030. It could decarbonize 90 percent of the power sector by 2050, massively cutting carbon emissions and helping to mitigate climate change.

Mr. Dipak Ingle
Electrical Final Year student
Government polytechnic khamgaon

➢ Students Achievement…..

Consolidated Second Prize won by saksi Mishra and Aarti Bagale in MSBTE Sponser State level Technical Paper Presentation Competition Organized by Electrical Engg Department G. P. Khamgaon .

➢ Students Achievement…..

Department of Electrical Engineering organized workshop on "Electrical Matlab" by E-mat INFOTECH Pvt Ltd. Shegaon for students of EE5I.

➢ INDUSTRIAL VISITS…….

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Industrial Visit for EE4I Students at 33/11kV Distribution Substation Khamgaon .

Industrial Visit for EE5I Students at Solar Research Center SSGMC Segaon.

➢ INDUSTRIAL VISITS…….

➢ Social Activates.....

➢ Womans Day Celebration.....

➢ Aazadi ka Amrut Mohotsv Celibration.....

➢ Participation in inter institute/state/national events by students….

Sr. No.	Year	Name of Student	Winner/ Runner	Activity	Sponsored By
1	2022-23	Arati S. Bagade	Consolation	National Level Technical event	Padm. Dr. V.B.Kolte College of Engg. Malkapur
2	2022-23	Nilesh S. Varma	Participation	State Level exbition cum competition(DIPEX)	AICTE, Delhi
3	2022-23	Suraj D. Bhopale	Runner	Teble Tennis	IEDSSA
4	2022-23	Pratiksha D.Bhopale	Participation	Regional Level Online Tech. Paper Presentation	ISTE G.P.Washim
5	2022-23	Ashwini S. Borse	Participation	Regional Level Online Tech. Paper Presentation	ISTE G.P.Washim
6	2022-23	Ashwini S. Borse	Participation	State Level exbition cum competition(DIPEX)	AICTE, Delhi
8	2022-23	Karan S.Ingale	Participation	Regional Level Online Tech. Paper Presentation	ISTE G.P.Washim

Student have Praticipation In Tebal- tenis IEDSSA 2022-23 and Secured Runner up Prize

Contact us:

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